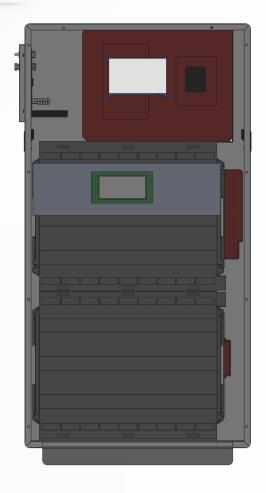


INTRODUCTION:

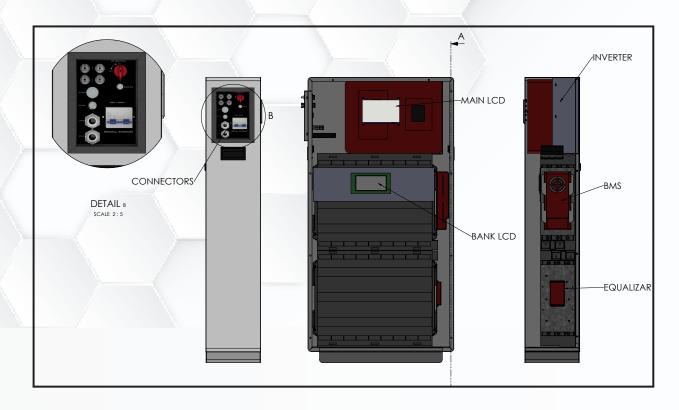
ENWALL is Enercap's latest integrated energy storage system designed for the home and light commercial facilities. ENWALL

comes with Enercap's patent ENCAP and ENSERVER cutting-edge technology. The ENWALL system can be charged by the grid, solar, wind, or genset in either standalone, standalone grid-tied, standalone off-grid, grid-tied hybrid, or off-grid hybrid mode. It can switch automatically between modes as the need arises. Using the safest energy storage technology, the system can operate in very high or low temperatures without the need for heating or cooling and has a very high AC and DC round

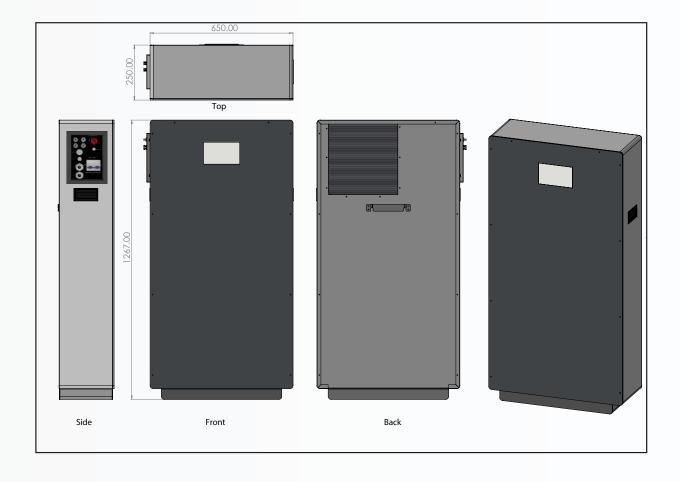


trip efficiency. ENWALL has a direct connection to PV, the Grid, Wind, or GENSETS. The system will automatically detect outages, can power your home or electric vehicle, and will charge as soon as any of the inputs is available. ENWALL will store energy for long periods without depletion of energy through idle discharge or thermal runaway of energy through idle discharge or thermal runaway.

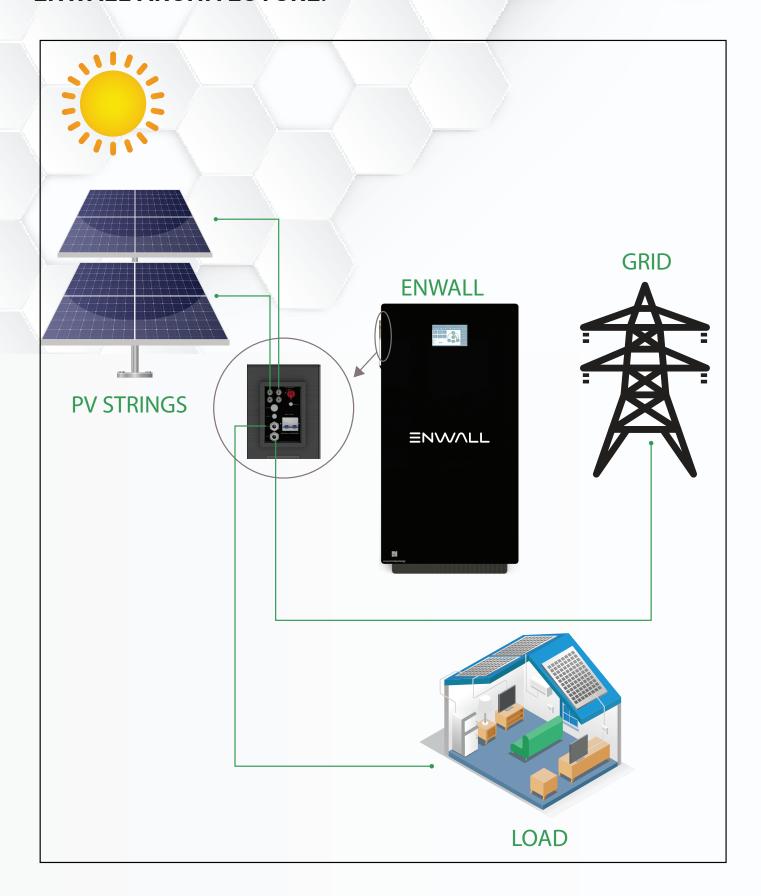
ENWALL LAYOUT:



ENWALL MECHANICAL DIMENSIONS:



ENWALL ARCHITECTURE:



ENWALL SPECIFICATIONS	s:	
BATTERY PERFORMANCE SPECIFICATIONS		
DC Energy	10kWh	
Voltage Range	43.2Vdc to 60.8Vdc	
DC Voltage (Nominal)	48Vdc	
Internal Resistance	< 4 mili Ohms	
Technology	Encapsulated Cell	
Nominal Cell Voltage	6.4 ~6.6Vdc / Cell (Encapsulated) 1/2 + 0.12V Envelope	
Maximum Charge Current	135A	
Maximum Discharge Current	135A	
Charging Curve	3 Stages / Equalization (CC/CP/VP)	
Charging Strategy for Module	Self-adaption to BMS	
PV STRING INPUT DATA		
Max. DC Input Power(W)	6500W	
PV Input Voltage(V)	370V (125V~500V)	
MPPT Range(V)	150~425V	
Full Load DC Voltage Range	300~425V	
Start-up Voltage(V)	125V	
PV Input Current(A)	26A	
Max.PV Isc(A)	34A	
No. of MPPT Trackers	2	
No. of Strings Per MPPT Tracker	2	

AC OUTPUT DATA		
Rated AC Output and UPS Power(W)	5000 W	
Max. AC Output Power(W)	5500 VA	
Peak Power(off grid)	2 times of rated power, 10 S	
Rated AC Input/Output Current(A)	22.7/21.7A	
Max AC Input/Output Current(A)	25/23.9A	
AC Output Rated Current(A)	35A	
Output Frequency and Voltage	50/60Hz; 220/230Vac (single phase)	
Grid Type	Single Phase	
Power Factor	0.8 leading to 0.8 lagging	
Total Harmonic Distortion (THD)	<3% (of nominal power)	
DC current injection	<0.5%LN	
EFFICIENCY		
Max. Efficiency	97.60%	
MPPT Efficiency	>99%	
PROTECTION		
Battery Short Circuit Protection	Electronic Switching, Terminal Cut-off	
Battery Over/under voltage	Electronic Switching, Terminal Cut-off	
Battery Over Current	Electronic Switching, Terminal Cut-off	
Battery Over temperature	Electronic Switching, Terminal Cut-off	

	DC Polarity Reverse Connection
	Protection,
	AC Output Over Current Protection
	AC Output Over Voltage Protection,
	AC Output Short Circuit Protection,
	Thermal Protection
	DC Terminal Insulation Impedance
Integrated Equipment Protection	Monitoring, DC Component Monitoring,
	Ground Fault Current Monitoring
	Power Network Monitoring, Island
	Protection Monitoring, Earth Fault
	Detection, DC Input Switch
	Over voltage Load Drop Protection,
	Residual Current (RCD) Detection,
	Surge protection level
Surge Protection Level	TYPE II(DC),TYPE II(AC)
SMART FEATURES	
OLED Display	Monitor & Configure Module
Communication	WIFI / CANBUS / Bluetooth
Alarm	Buzzer alarm in the event of Over/under- Voltage, Over-Current, Over Temperature
EN-CONNECT SOFTWARE	
	Total Voltage, Individual Cell Voltages,
	Current, Temperatures,
Module Monitoring	
	Instantaneous Power, SOC and
	Energy Consumed
	I .

ENVIRONMENTAL SPECIFICATIONS		
Cell Operating Temperature	-30°C~ +70°C	
Operating Humidity	Non-Condensing	
Warehousing	Can be stored at any SOC without affecting cycle life	
MECHANICAL SPECIFICA	TIONS	
Dimensions (W x H x D) mm	659 x 1267 x 250	
Weight (Kg)	155	
Module Casing Material	GI Powdered	
Installation Style	Wall Mounted	